

ABSTRACT

An electrode according to the invention can provide a non-aqueous electrolyte secondary battery having an ability to release a volume expansion at the time of charge and discharge as well as the time of a cycle. The electrode comprises a current collector made of a material which is not alloyed with Li, and a dot pattern 2 of a metallic material able to be alloyed with Li formed on the current collector. At the time of charge, since the volume expansion of each dot 3 is carried out so as to bury adjoining crevices 4 between the dots, a stress generated is released, thereby degradation of an electrode being avoided. Each dot may also be made into porosity.